

AMENDMENTS TO THE SPECIFICATION

Please add the following paragraphs on page 14 of the specification, following the paragraph beginning on line 12:

FIGURE 59 illustrates a flowchart for generating a compiled representation of a textual description in a mark-up language of operations for performing a call feature of service, and instantiating a context object,

FIGURE 60 illustrates a flowchart for providing a textual description in a mark-up language of a set of logic instructions describing a telecommunications service, parsing the textual description to generate a compiled representation of the logic instructions, and instantiating a feature context object,

FIGURE 61 illustrates a flowchart regarding a call control module that controls a call processing context associated with a subscriber, and a call feature module in communication with the call control module.

Please add the following paragraphs on page 92 of the specification, following the paragraph beginning on line 4:

FIGURE 59 illustrates a method for providing telecommunication services that includes generating a compiled representation of a textual description in a mark-up language of operations for performing a call feature or service 5900. The textual description defines a set of rules and actions for providing the telecommunication service 5902, and can include the definition of a call policy associated with a subscriber 5904. The method includes instantiating a context object 5906 that accesses the compiled representation in response to one or more events, and effects execution of the operations. The context object can be instantiated in response to a boundary event with respect to the telecommunications service or feature 5908, such as an event indicative of any of call origination or call termination 5910. Notification is passed to the context object of at least selected

events 5912. The context object can respond to at least selected notifications by effecting execution of further operations with respect to that call feature of service 5914. The method also includes identifying as a boundary event an event notification of which does not result in the effecting of execution of further operations with respect to the call feature or service by the context object 5916. With regard to step 5906, the events can include a call control event indicative of a signal received from an external device 5918, which can include a telecommunications switch 5920.

FIGURE 60 illustrates a method for providing telecommunication services that includes providing a textual description in a mark-up language of a set of logic instructions describing a telecommunication service 6000. The telecommunications service can be any of a call, call feature, and subscriber of feature administration 6002, and the mark-up language can be any of HTML, XML, or any extension thereof 6004. The method further includes parsing the textual description to generate a compiled representation of the logic instructions 6006, and instantiating a feature context object in response to an event that accesses the compiled representation to effect execution of the telecommunications service defined by the logic instructions 6008. The event can be a call progress event occurring with respect to the telecommunication service 6010. The feature context object can maintain information regarding the present state of an on-going telecommunications service 6012.

FIGURE 61 illustrates a method for providing telecommunication services that includes a call control module that controls a call processing context associated with a subscriber 6100. A call feature module is in communication with the call control module 6102. The feature control module access a compiled representation of textual description in a mark-up language of logic defining a telecommunication service provided to a subscriber in response to an event to effect execution of the service. The event can be a call progress event provided by the call control module in response to a signal received with respect to status of an on-going telecommunication service 6104. The on-going telecommunication service can be an active telephone call 6106. An external device can generate the signal with respect to the statue of the on-going telecommunication service 6108, and the external device can be a telecommunication switch 6110. The call feature module instantiates a feature context object that accesses the compiled representation to determine at least an action to be effected for providing the telecommunication service 6112. A parser can receive the textual

description of the logic defining a telecommunication service and can generate a compiled representation thereof 6114, and the telecommunication service can be any of a call, a call feature, and a subscriber or feature administration 6116. The compiled representation can include objects in a C++ programming environment 6118.